

ABSTRACT

A large number of pixel lamps are evenly arrayed in a regular pattern to constitute a display screen. The pixel lamps are in three kinds which are a first color lamp, a second color lamp and a third color lamp. These three kinds of pixel lamps are evenly dispersed on the display screen. Image data to be displayed on the screen is multi-color data of a bitmap format, in which one pixel is expressed by a gathering of first color data, second color data and third color data. The first color data plane (second color data plane, third color data plane) on a bitmap image data plane is divided into a multitude of groups, each group being composed of a plurality of pixels arranged adjacently to each other. Each group is made to correspond to each first color lamp (second color lamp, third color lamp). An action of selecting, in a specified order, the first color data of a plurality of pixels that belong to one group is repeated at high speed, and the first color lamp (second color lamp, third color lamp) corresponding to each group is activated to emit light according to the selected first color data (second color data, third color data). A way the first color data plane is grouped, the second color data plane is grouped, and the third color data plane is grouped is such that the groups are mutually positionally-shifted on the bitmap image data plane while being partially overlapped, interrelating with a positional-shift in the arrays of the first color lamp, the second color lamp, and the third color lamp on the display screen.